

MI BPM Meeting

Bob Webber, Stephen Wolbers
September 12, 2006

Pizza

- All feedback I have (so far) indicates that Friday September 29, 2006, 12:00 @ Pal Joey (new location) will work.
- Further details, like how many people plan to come, what kind of pizza they like, etc. will be worked out in the next couple of weeks.

Remaining Work

- 1) 2.5 MHz pbar measurements. Establish that the software and hardware is working as designed, quantify what that means in regards to providing useful measurements in the presence of the observed electrical noise, understand what is truly important to operations, and make "reasonable improvements (in terms of what's physically possible and practically achievable with available resources and time) that will provide important and definitive operational and machine physics benefits."
- 2) Short batch proton measurements. Note: implementing the individual transition board gain settings and establishing a suitable "base" gain for this type measurement will solve wideband measurement issues with this beam structure. Further investigation, after transition board "base" gain is established, is necessary to understand narrowband measurements with this beam structure.
- 3) 53 MHz gains. First we should get the 53 MHz gains set for short cables and all cycles. Bob and Bob will have a report Tuesday Sept 12. After come the board-by-board corrections (item 5).

Remaining work (2)

- 4) Alarms. External control signals first (Dave's first set). Steve, Luciano, Dave, Brian.
- 5) Board-level gains. The plan is to have this functionality by the end of September. Stefano, Steve, Bill.
- 6) Diagnostics/test signals. Steve, Manfred, Marv, Manfred, Brian.
- 7) Alarms/self-test. This is listed as "Components with the BPM system" in Dave Capista's note in beams-doc-2428.
- 8) Debug odd behavior. Need a definitive priority list.

Strategy

- The formal project ends on September 30, 2006.
- We will work hard to meet the requirements.
- Work will continue beyond September 30.
 - Formally it will be charged to operations.
 - At some point the effort (and people) will shrink (it already has). As other projects and work ramp up expect it to reduce further.